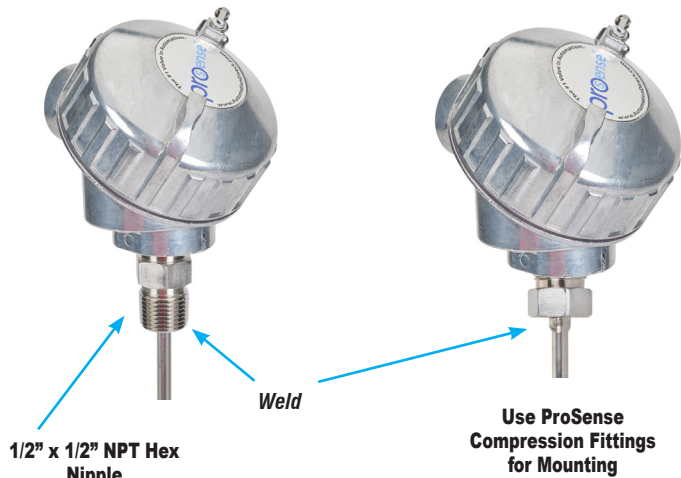


# pro<sup>sense</sup>® 10K-3 Thermistor Probes with Connection Head

**NTC10K3-C06-01**

**NTC10K3-C06-02**



Note: Full probe length not shown in photos

## Overview

- Probe
  - NTC 10k Thermistor Type 3
  - 1/4" diameter, 316 SS sealed sheath to protect against harsh environments
  - 6", 12" or 18" probe length
- Connection Head
  - Cast aluminum NEMA 4X, IP66 screw cover head with gasket
  - One turn cover removal & installation eliminates cross threading and saves time
  - 3/4" NPT conduit opening with internal stop to prevent overtightening and installation damage
  - Gripping ribs on cover edge
  - Stainless steel cover chain
- Wiring
  - 2 feet of cable provided with 2 inches of 24AWG wire pre-stripped 1/4 inch and tinned
- Made in the USA



10K-3 Thermistor Probes with Connection Head									
Part Number	Pcs/Pkg	Wt (lb)	Price	Drawing Link	Type	Probe Diameter (O.D.)	Probe Length	Temperature Sensing Range	Mounting
<a href="#">NTC10K3-C06-01</a>	1	1.12	\$73.50	<a href="#">PDF</a>	10K-AN Type 3 Thermistor	1/4"	6"	-40 to 125° C (-40 to 257° F)	Integral 1/2" x 1/2" NPT Hex Nipple, 316 SS
<a href="#">NTC10K3-C12-01</a>		1.18	\$75.50	<a href="#">PDF</a>			12"		
<a href="#">NTC10K3-C18-01</a>		1.23	\$78.00	<a href="#">PDF</a>			18"		
<a href="#">NTC10K3-C06-02</a>		1.0	\$67.00	<a href="#">PDF</a>			6"		ProSense compression fitting (see accessories - purchased separately)
<a href="#">NTC10K3-C12-02</a>		1.09	\$69.50	<a href="#">PDF</a>			12"		
<a href="#">NTC10K3-C18-02</a>		1.16	\$72.00	<a href="#">PDF</a>			18"		

Technical Specifications	
<b>Sensing Element</b>	Epoxy Coated NTC Thermistor
<b>No-Load Resistance</b>	10kΩ at 25°C
<b>Accuracy</b>	± 0.2°C from 0°C to 70°C
<b>Probe</b>	ø1/4", 316 stainless steel sheath
<b>Minimum Installation Depth</b>	3" (76 mm)
<b>Connection Head</b>	Die-cast aluminum, screw cover with stainless steel chain, compressed graphite gasket, NEMA 4X, IP66, 3/4" NPT conduit opening, max temp. 221°F (105°C)
<b>Sensing Element Response Time</b>	Approximately 1 second*
<b>Wiring</b>	24 inches of PVC cable inside cover with 2 inches of 24AWG wire stripped 1/4 inch and tinned

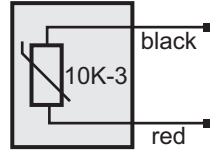
\* The sensing element has an approximate response time of 1 second in a well stirred liquid bath. Different constructions will have different thermal responses.



Note: Check the chemical compatibility of the sensor's wetted parts with the medium to be measured.

# prosense® 10K-3 Thermistor Probes with Connection Head

## Wiring Information



- No polarity

## Accessories

Part No.	Description	Pcs/Pkg	Price
<b><u>BCF14-125N</u></b>	Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/8 inch NPT male thread	1	\$3.25
<b><u>BCF14-25N</u></b>	Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/4 inch NPT male thread	1	\$4.25
<b><u>BCF14-50N</u></b>	Compression fitting, brass, for 1/4 inch diameter temperature probes, 1/2 inch NPT male thread	1	\$6.50
<b><u>CF14-125N</u></b>	Compression fitting, 316 stainless steel, for 1/4 inch diameter temperature probes, 1/8 inch NPT male thread	1	\$8.00
<b><u>CF14-25N</u></b>	Compression fitting, 316 stainless steel, for 1/4 inch diameter temperature probes, 1/4 inch NPT male thread	1	\$9.25
<b><u>CF14-50N</u></b>	Compression fitting, 316 stainless steel, for 1/4 inch diameter temperature probes, 1/2 inch NPT male thread	1	\$14.00
<b><u>CFTF-14</u></b>	Teflon ferrule for brass or stainless steel compression fittings and 1/4 diameter temperature probes	5	\$7.75

See end of section for full listing of accessories and dimension information.